

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: Jeffrey E. Russel Examiner #: 62785 Date: 9-4-2001
 Art Unit: 1653 Phone Number 308-3975 Serial Number: 09/830,741
 Mail Box and Bldg/Room Location: Room NO Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

 Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

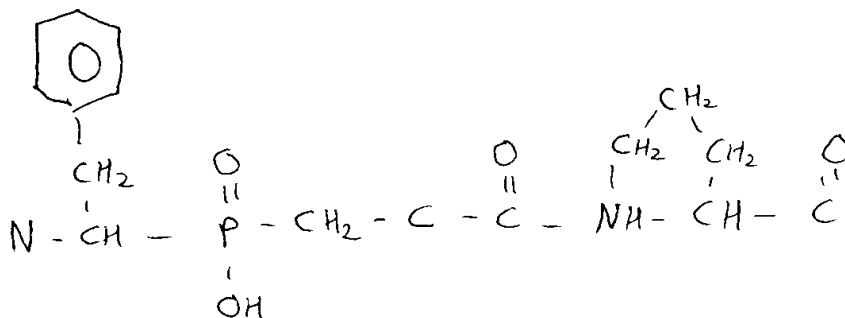
Title of Invention: Phosphate peptide analogs for the treatment of fibrotic disorders

Inventors (please provide full names): Elmar Burchardt, Michael Schauer, Walter Stacker, Thomas Lampe

Earliest Priority Filing Date: 6-21-2001

**For Sequence Searches Only* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.*

Please search the following partial structure:



Keywords are fibrotic, fibrosis, cirrhosis, hepatitis, scar, nephropathy, scleroderma, colitis, aneurysm.

Thank you.
 JER

STAFF USE ONLY

Searcher _____

Type of Search _____

NA Sequence (#) _____

Vendors and cost where applicable _____

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FILE COVERS 1947 - 7 Sep 2001 VOL 135 ISS 12
 FILE LAST UPDATED: 6 Sep 2001 (20010906/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

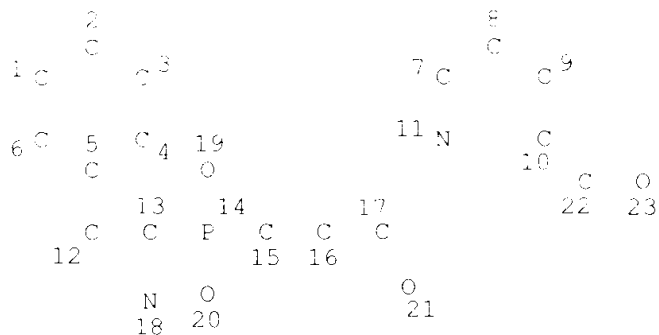
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 L1 STR



NODE ATTRIBUTES:
 DEFAULT MLEVEL IS ATOM
 DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
 RING(S) ARE ISOLATED OR EMBEDDED
 NUMBER OF NODES IS 23

STEREO ATTRIBUTES: NONE
 L3 61 SEA FILE=REGISTRY SSS FUL L1
 L4 12323 SEA FILE=REGISTRY ABB=ON PLU=ON FIBROTIC? OR FIBROSIS? OR

CIRRHOSIS? OR HEPATITIS? OR SCLERODERMA? OR COLITIS? OR ANEURYSM

15 11 SEA FILE=HCAPLUS ABB=ON PLU=ON 13
 16 209213 SEA FILE=HCAPLUS ABB=ON PLU=ON 14 OR ?FIBRO? OR ?CIRRHOSIS?
 OR ?HEPATITIS? OR ?SCLERODERMA? OR ?COLITIS? OR ?ANEURYSM?
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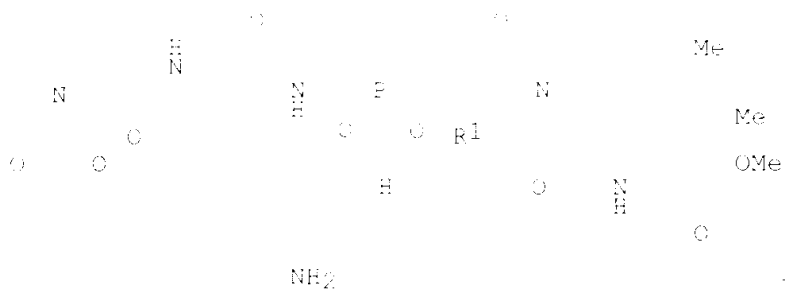
=> a bib abs hitm 17 1

L7 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2001 ACS
 ACCESSION NUMBER: 2000:289131 HCAPLUS
 DOCUMENT NUMBER: 132:303510
 TITLE: Phosphinate peptide analogs for the treatment of
fibrotic disease
 INVENTOR(S): Burchardt, Elmar-Reinhold; Schauer, Michael; Stocker,
 Walter
 PATENT ASSIGNEE(S): Bayer A.-G., Germany
 SOURCE: Ger. Offen., 12 pp.
 CODEN: GWXXBX
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 19850072	A1	20000504	DE 1998-19850072	19981030
WO 2000027377	A2	20000518	WO 1999-EP8181	19991028
WO 2000027377	A3	20001116		
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TC, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
EP 1124845	A2	20010822	EP 1999-969897	19991028
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				

PRIORITY APPLN. INFO.: DE 1998-19850072 A 19981030
 WO 1999-EP8181 W 19991028

GI



AB Phosphinate peptide analogs I (R1 = H, Me) are disclosed as inhibitors of procollagen C proteinase for the treatment of **fibrotic** disease, e.g. liver **fibrosis**.

17 209247-63-2 209247-63-2D, stereoisomers
209247-69-8 209247-69-8D, stereoisomers
265979-02-0 265979-02-0D, stereoisomers
265979-03-1 265979-03-1D, stereoisomers

RL: BAC (Biological activity or effector, except adverse); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(phosphinate peptide analogs for the treatment of **fibrotic** disease)

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=> select hit rn 17 1
E1 THROUGH E4 ASSIGNED

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STRUCTURE FILE UPDATES: 6 SEP 2001 HIGHEST RN 355113-65-4
DICTIONARY FILE UPDATES: 6 SEP 2001 HIGHEST RN 355113-65-4

TSCA INFORMATION NOW CURRENT THROUGH January 11, 2001

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Structure search limits have been increased. See HELP SLIMIT for details.

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FILE 'REGISTRY' ENTERED AT 18:55:01 ON 07 SEP 2001
4 S E1-E4 AND L3

L3

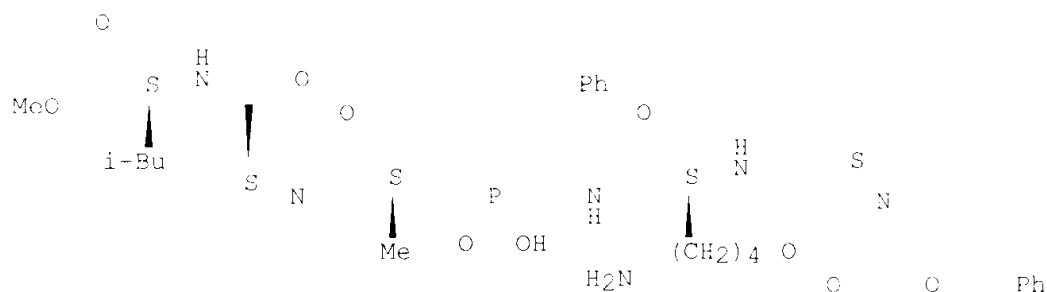
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=> a lde can be 1-4

L8 ANSWER 1 OF 4 REGISTRY COPYRIGHT 2001 ACS
RN **265979-03-1** REGISTRY
CN L-Leucine, 1-[(phenylmethoxy)carbonyl]-L-prolyl-L-lysyl-(2S)-3-[(1-amino-2-phenylethyl)hydroxyphosphinyl]-2-methylpropanoyl-L-prolyl-, methyl ester (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C43 H63 N6 O10 P
SR CA
LC STN Files: CA, CAPLUS, TOXLIT

Absolute stereochemistry.

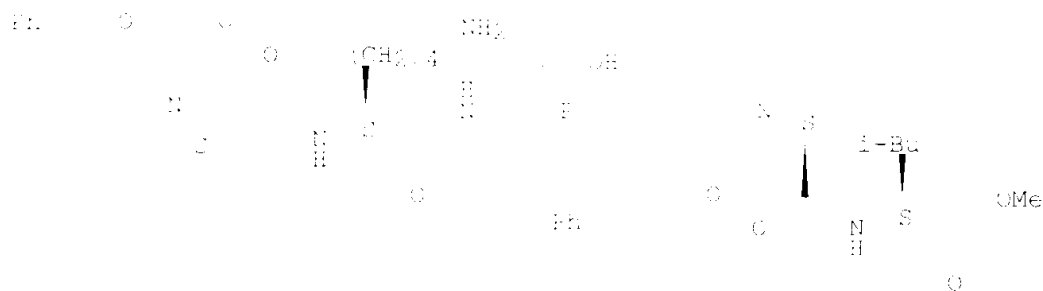


1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 132:303510

L8 ANSWER 2 OF 4 REGISTRY COPYRIGHT 2001 ACS
RN **265979-02-0** REGISTRY
CN L-Leucine, 1-[(phenylmethoxy)carbonyl]-L-prolyl-L-lysyl-3-[(1-amino-2-phenylethyl)hydroxyphosphinyl]propanoyl-L-prolyl-, methyl ester (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C42 H61 N6 O10 P
SR CA
LC STN Files: CA, CAPLUS, TOXLIT

Absolute stereochemistry.

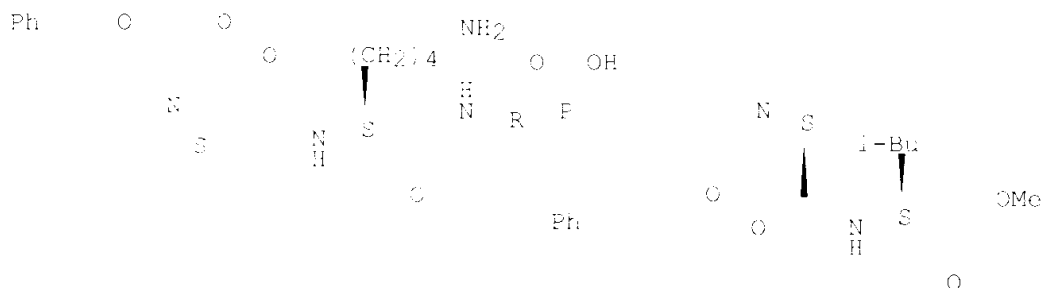


1 REFERENCES IN FILE CA (1967 TO DATE)
 1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 132:303510

L8 ANSWER 3 OF 4 REGISTRY COPYRIGHT 2001 ACS
 RN 209247-69-8 REGISTRY
 CN L-Leucine, 1-[(phenylmethoxy)carbonyl]-L-prolyl-L-lysyl-3-[[[(1R)-1-amino-2-phenylethyl]hydroxyphosphinyl]propanoyl-L-prolyl-, methyl ester (9CI) (CA INDEX NAME)
 PS PROTEIN SEQUENCE; STEREOSEARCH
 MF C42 H61 N6 O10 P
 SR CA
 LC STN Files: CA, CAPLUS, TOXLIT

Absolute stereochemistry.



2 REFERENCES IN FILE CA (1967 TO DATE)
 1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 2 REFERENCES IN FILE CAPLUS (1967 TO DATE)

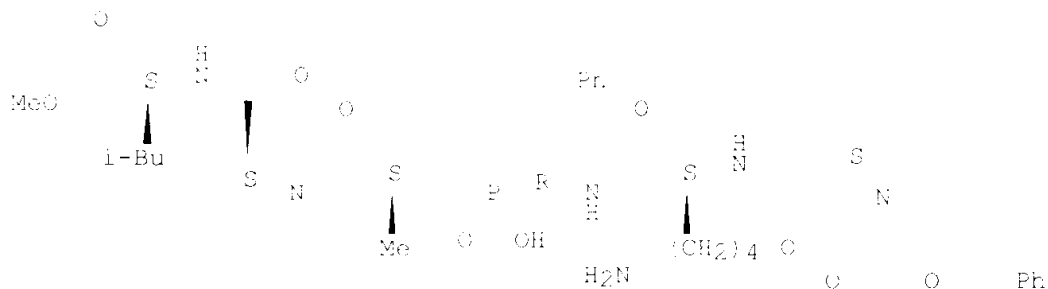
REFERENCE 1: 132:303510

REFERENCE 2: 129:78349

L8 ANSWER 4 OF 4 REGISTRY COPYRIGHT 2001 ACS
 RN 209247-63-2 REGISTRY
 CN L-Leucine, 1-[(phenylmethoxy)carbonyl]-L-prolyl-L-lysyl-[2S]-3-[[[(1R)-1-amino-2-phenylethyl]hydroxyphosphinyl]-2-methylpropanoyl-L-prolyl-, methyl ester (9CI) (CA INDEX NAME)
 PS PROTEIN SEQUENCE; STEREOSEARCH

MF 143 HCS H6 C10 F
 SR 1A
 IN 1TH Files: CA, CAPUS, TOXLIT

Absolute stereochemistry.



2 REFERENCES IN FILE CA (1967 TO DATE)
 1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 2 REFERENCES IN FILE CAPUS (1967 TO DATE)

REFERENCE 1: 132:305510

REFERENCE 2: 129:78349